



Contents

Preface	1
Tris(2-pyridyl) tripod ligands L.F. Szczepura, L.M. Witham and K.J. Takeuchi	5
High-resolution NMR analysis of cobalt(III) complexes with 1,8-diamino-3,6-dithiaoctane M.R. McClure, K.W. Jung and J.H. Worrell	33
Heterodinuclear metal complexes of phenol-based compartmental macrocycles H. Ōkawa, H. Furutachi and D.E. Fenton	51
Liquid crystal properties of metal-salicylaldimine complexes. Chemical modifications towards lower symmetry N. Hoshino	77
A complete series of stepwise oxidation of $[\text{Co}(\text{2-pyridinethiolato})(\text{en})_2]^{2+}$. Characterization of the 2-pyridinesulfenato- <i>N,S</i> and - <i>N,O</i> , 2-pyridinesulfinato- <i>N,S</i> and - <i>N,O</i> , and 2-pyridinesulfonato- <i>N,O</i> complexes M. Murata, M. Kojima, A. Hioki, M. Miyagawa, M. Hirotsu, K. Nakajima, M. Kita, S. Kashino and Y. Yoshikawa	109
Synthesis, characterization and solution ^{113}Cd NMR analysis of Cd(II) 1,4,7,10,13-pentaazacyclopentadecane complexes G.W. Franklin, D.P. Riley and W.L. Neumann	133
Copper(I) 1,1-dithiolate cluster transformations. Synthesis of $[\text{Bu}_4\text{N}]_6[\text{Cu}_6(\text{S},i\text{-MNT})_6]$, <i>i</i> -MNT = $[\text{S}_2\text{CC}(\text{CN})_2]^-$, from $[\text{Bu}_4\text{N}]_4[\text{Cu}_8(i\text{-MNT})_6]$ with sulfur. Reaction of the cyclic hexanuclear complex with phosphine to give the tetrahedral $[\text{Bu}_4\text{N}]_4[\text{Cu}_4(i\text{-MNT})_4]$ which oxidizes in solution to give the homocubane $[\text{Bu}_4\text{N}]_4[\text{Cu}_8(i\text{-MNT})_6]$ and $[\text{Bu}_4\text{N}]_2[\text{Cu}(i\text{-MNT})_2]$ C.W. Liu, R.J. Staples and J.P. Fackler	147
Approaches to improvement of metal ion selectivity by cryptands X.X. Zhang, R.M. Izatt, J.S. Bradshaw and K.E. Krakowiak	179
The activation of η^5 -pyrrole complexes toward nucleophilic attack M. Rakowski DuBois	191
Anhydrooligomers of <i>o</i> -aminobenzaldehydes—the rich chemistry of the Busch macrocycles A.G. Kolchinski	207
The use of C_3 -symmetric tripodal ligands in crystal engineering B.S. Hammes, D. Ramos-Maldonado, G.P.A. Yap, A.L. Rheingold, V.G. Young, Jr. and A.S. Borovik	241

Hydrogen bonding in tungsten(VI) salicylate free acids T.E. Baroni, S. Bembenek, J.A. Heppert, R.R. Hodel, B.B. Laird, M.D. Morton, D.L. Barnes and F. Takusagawa	255
Applications of lanthanide luminescence spectroscopy to solution studies of coordination chemistry G.R. Choppin and D.R. Peterman	283
Synthesis, solid-state structure and reactivity of [PhTt ^{Ph}]Cu C. Ohrenberg, C.G. Riordan, L. Liable-Sands and A.L. Rheingold	301
Structural control of reactivity in some new cyclidene complexes J.H. Cameron, C.A. Clarke, G. Rosair and E.L. Scott	313
Heavy metal ion chemistry of linked macrocyclic systems incorporating oxygen and/or sulfur in their donor sets L.F. Lindoy	327
Accordion porphyrins. Hybrid models for heme and binuclear monooxygenases W.A. Reiter, A. Gerges, S. Lee, T. Deffo, T. Clifford, A. Danby, K. Bowman-James	343
Designing ligands to achieve robust oxidation catalysts. Iron based systems M.J. Bartos, S.W. Gordon-Wylie, B.G. Fox, L.J. Wright, S.T. Weintraub, K.E. Kauffmann, E. Münck, K.L. Kostka, E.S. Uffelman, C.E.F. Rickard, K.R. Noon and T.J. Collins	361
pH-Dependent metal-based redox couples as models for proton-coupled electron transfer reactions S.J. Slattery, J.K. Blaho, J. Lehnes and K.A. Goldsby	391
Chemistry of mixed nitrogen- and sulfur-donor tridentate macrocycles J.P. Danks, N.R. Champness and M. Schröder	417
Trends in metal-ligand orbital mixing in generic series of ruthenium N-donor ligand complexes—effect on electronic spectra and redox properties S.I. Gorelsky, E.S. Dodsworth, A.B.P. Lever and A.A. Vlcek	469
<i>Author Index</i>	497
<i>Subject Index</i>	497

The table of contents of *Coordination Chemistry Reviews* is included in ESTOC – Elsevier Science Tables of Contents service – which can be accessed on the World Wide Web at the following URLs:
<http://www.elsevier.nl/locate/estoc> or <http://www.elsevier.com/locate/estoc>

